

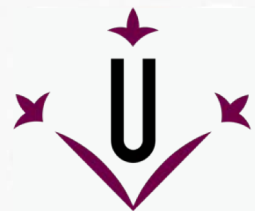
**Universitat  
de Lleida**

The screenshot shows the 'UdL's Experts' website. The header is purple with the university logo and 'campus iberus' text. Navigation links include Home, People, Organizations, Research, and Capability Map. A search bar is present. The main banner features a lab image and the text 'UdL's Experts' with a description: 'A discovery tool to find the Universitat de Lleida's experts that can help you succeed in your innovation projects'. Below the banner are three sections: 'Research' (listing Academic Articles, Books, Chapters, Grants with counts), 'Faculty' (listing names like ALBERTOS MARCO, FÉLIX), and 'Departments' (listing various departments like Química, Business Administration, etc.). A footer contains copyright information and links to About and Support.

# Find a Universitat de Lleida's Expert using VIVO

**Roberto García**  
Universitat de Lleida

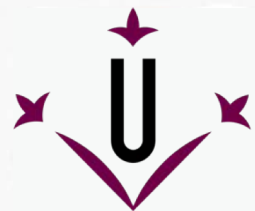
**Olga Martín-Belloso**  
Universitat de Lleida



# Motivation

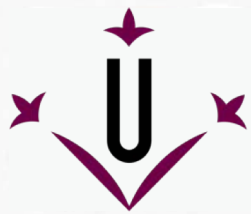
- Facilitate locating researchers with the expertise demanded by companies, institutions,...
- Information to respond to such demands, scattered among:
  - Institutional CRIS<sup>1</sup>
  - DSpace publications repository
  - Researchers' ORCID pages
  - ...

<sup>1</sup>Current Research Information System

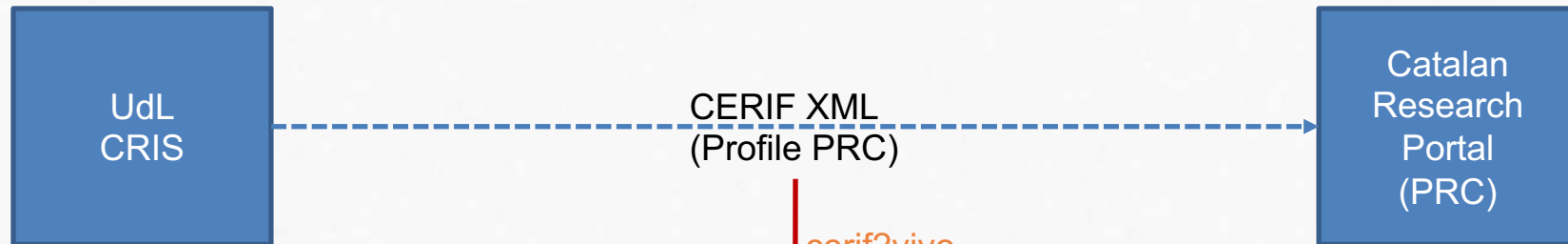


# Approach

- Streamline experts identification by combining all information sources
- Use semantic web technologies to integrate:
  - CERIF XML dump of CRIS data
  - Keywords associated with the papers in the UdL DSpace publications repository
  - ...
- Semantic integration using the VIVO ontology



# Approach



cerif2vivo  
XSLT

VIVO RDF

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<CERIF xmlns="urn:xmlns:org:eurocris:cerif-1.6-2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:xmlns:org:eurocris:cerif-1.6-2
http://www.eurocris.org/Uploads/Web%20pages/CERIF-
1.6/CERIF_1.6_2.xsd" date="2013-07-05"
sourceDatabase="044">

<cfPers>
<cfPersId>UDL-06000001</cfPersId>
<cfPers_Class>
  <cfClassId>c3c8c96f-cc0f-47e6-9c6d-
4f86949ab984</cfClassId>
  <cfClassSchemeId>2ad984e8-33ae-4f0b-927e-
d292c28750e3</cfClassSchemeId>
</cfPers_Class>
<cfPersName_Pers>
  <cfPersNameId>UDL-DP-06000001</cfPersNameId>
  <cfClassId>55f90543-d631-42eb-8d47-
d8d9266cbb26</cfClassId>
  <cfClassSchemeId>7375609d-cfa6-45ce-a803-
75de69abe21f</cfClassSchemeId>
  <cfFamilyNames>GARC&#205;A GONZ&#193;LEZ</cfFamilyNames>
  <cfFirstNames>ROBERTO</cfFirstNames>
</cfPersName_Pers>

...
```

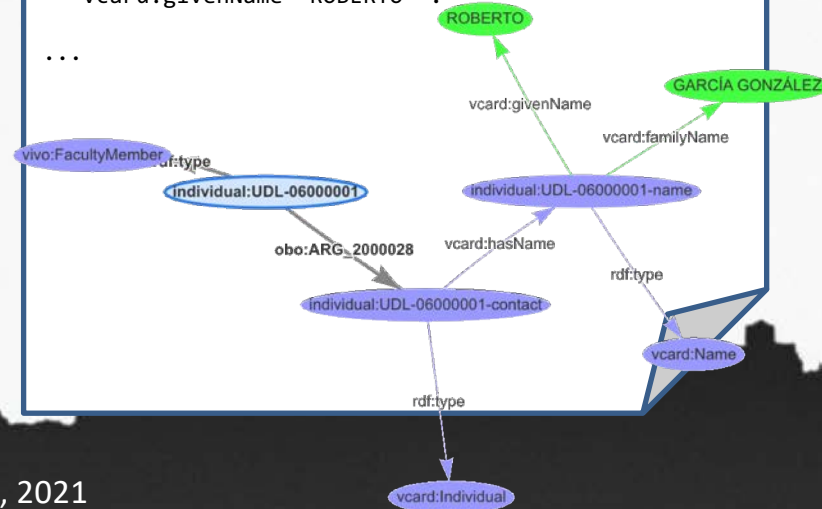
```
@prefix vivo: <http://vivoweb.org/ontology/core#> .
@prefix vcard: <http://www.w3.org/2006/vcard/ns#> .
@prefix obo: <http://purl.obolibrary.org/obo/> .
@prefix individual:
<https://experts.udl.cat/individual/> .

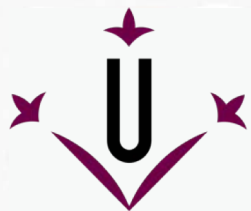
individual:UDL-06000001 a vivo:FacultyMember ;
  obo:ARG_2000028 individual:UDL-06000001-contact .

individual:UDL-06000001-contact a vcard:Individual ;
  vcard:hasName individual:UDL-06000001-name .

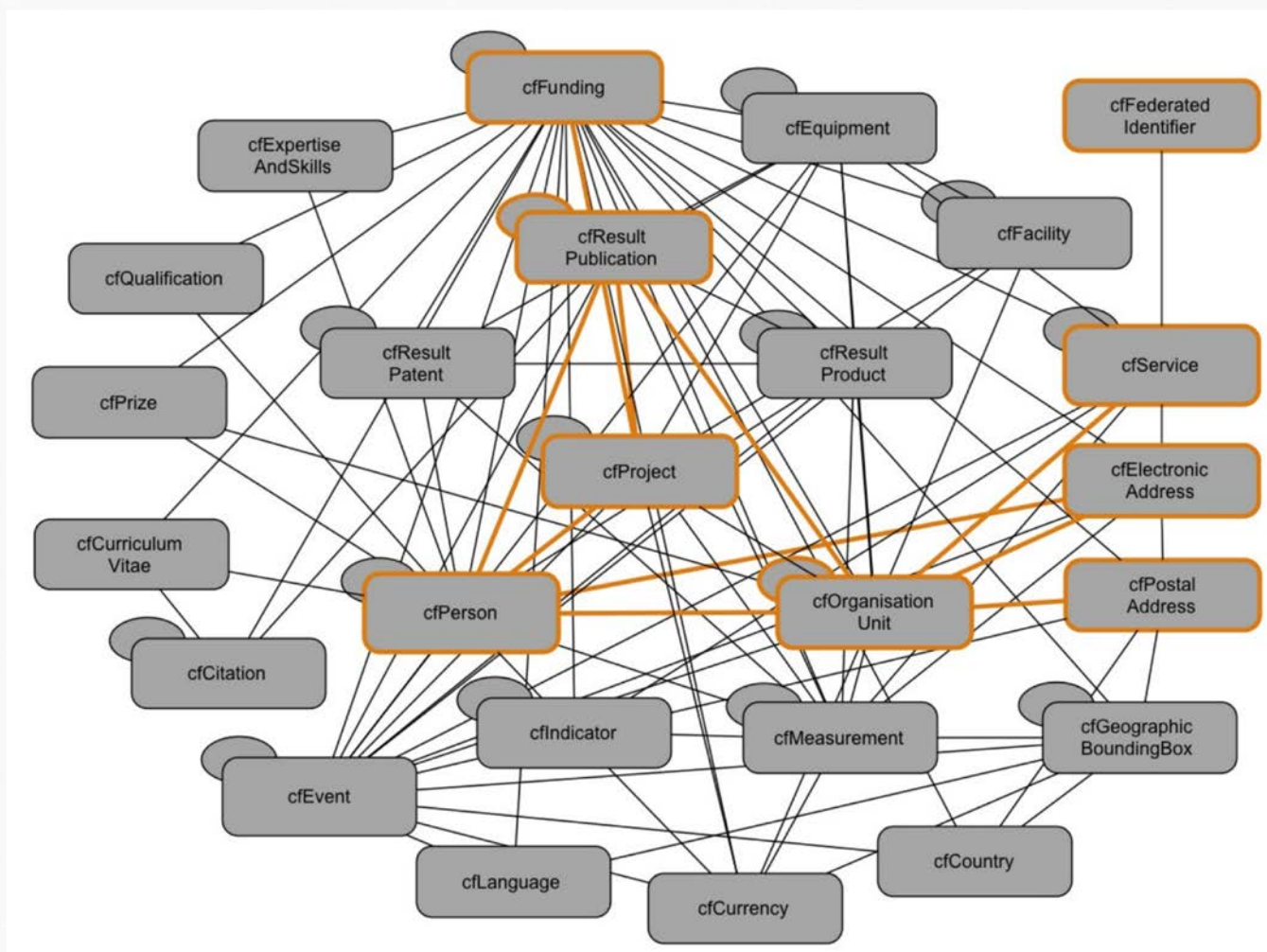
individual:UDL-06000001-name a vcard:Name ;
  vcard:familyName "GARCÍA GONZÁLEZ" ;
  vcard:givenName "ROBERTO" .

...
```

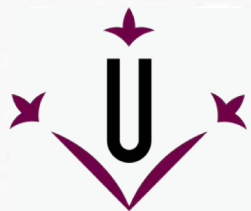




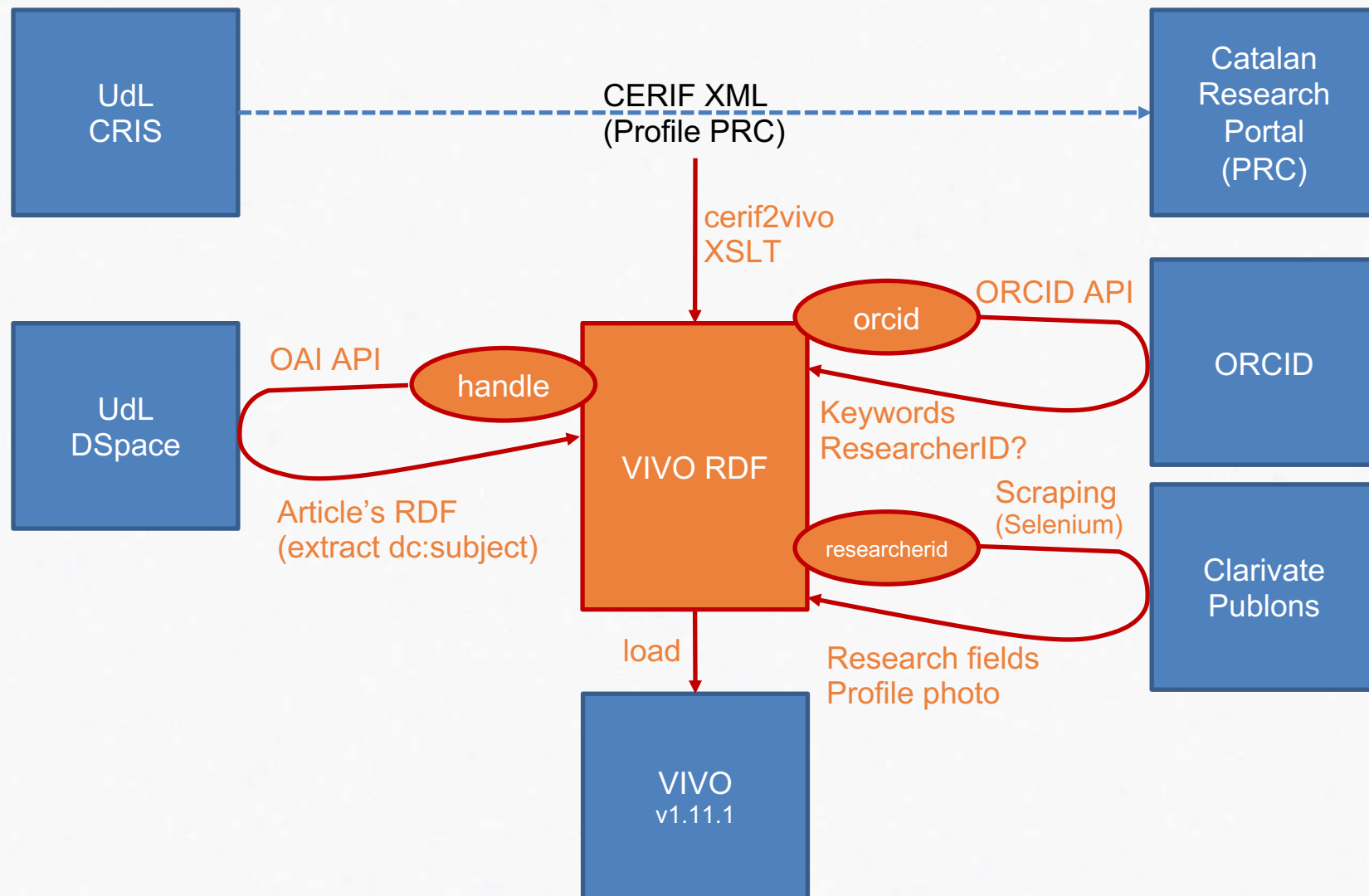
# Guidelines for CERIF-XML Data Exchange with CSUC's Catalan Research Portal (PRC) (Version 2.4)

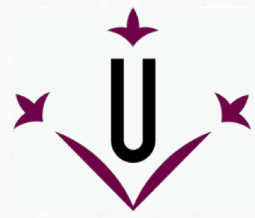


<https://recercat.cat/bitstream/handle/2072/266530/prcguidelines-v2.4.pdf>



# Approach





# Results

- Loaded into VIVO and used as the institutional experts' guide

## People

➤ Faculty Member (965)

## Organizations

➤ Academic Department (33)

Research Organization (61)

## Research

➤ Academic Article (20,503)

Book (6,661)

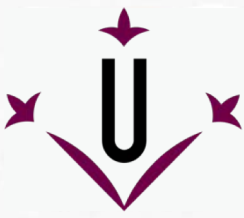
Chapter (7,066)

Grant (1,517)

Thesis (1,452)

Concept (13,241)





# Results



Home People Organizations Research Capability Map



## GARCÍA GONZÁLEZ, ROBERTO Faculty Member

### Positions

Member, Computer Science and Industrial Engineering  
More...

### Research Areas



Publicaciones Investigación Contacto View All

### principal investigator on

In Video Veritas - Verification of Social Media Video Content for the News Industry 2016-01-01 - 2018-12-31

Mejora de la Experiencia de Usuario para Infraestructuras de Datos Abiertos Gubernamentales Sostenibles (InDAGUS-UX) 2013-01-01 - 2016-07-31

MEDIA MIXER: Community set-up and networking for the remixing of online MEDIA fragments 2012-11-01 - 2014-04-30

Plataforma abierta para la gestión de la distribución multicanal de contenidos (OMediaDis) 2009-01-01 - 2011-12-31

### investigator on

Elaboración y catalogación de un corpus de textos escritos en ELE producidos por estudiantes sinohablantes (ECCOTELE) 2016-12-30 - 2019-12-29

Centre de recursos per professors de la Universitat de Lleida que desitgin desenvolupar competències transversals basades en aplicacions Web 3.0 (CrProtex) 2012-02-28 - 2013-02-27

El video sense barreres com a suport per la docència en l'educació superior 2011-01-01 - 2012-12-31

Anàlisi de l'impacte ambiental i territorial de la gestió de residus urbans: l'abocador de Gimènells, una realitat per l'aprenentatge basat en l'estudi de casos 2007-12-21 - 2009-12-20

Disseny i implementació d'un aplicatiu interactiu multimèdia per tal de crear material de suport a l'ensenyament semipresencial i disseminar el coneixement amb el model OpenCourseWare 2008-10-01 - 2009-09-30

... more

### Publications in VIVO



Co-author Network

Map of Science

Co-investigator Network

### Contact Info

roberto.garcia@udl.cat

## GARCÍA GONZÁLEZ, ROBERTO

Explore activity (34 publications) across 554 scientific subdisciplines

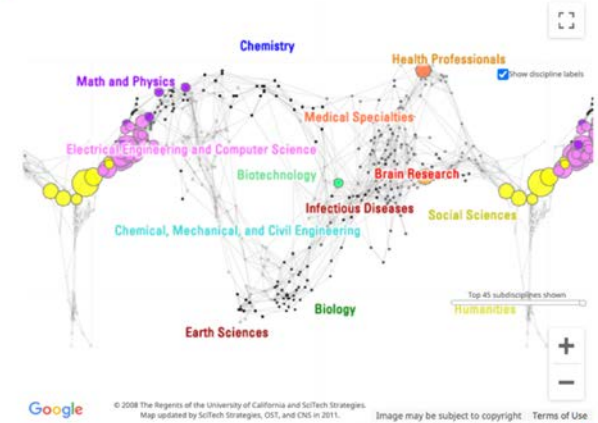
554 Subdisciplines | 13 Disciplines

Search

1 - 13 of 554

Subdisciplines	# of pubs.	% of activity
Database Design & Management	3.4	9.9
Research Policy; Technology Management	3.0	8.8
Data Mining	2.4	7.0
Machine Learning	1.9	5.5
Artificial Intelligence	1.4	4.0
Decision Support Systems	1.4	4.0
Search Engines; Web Crawling	1.4	4.0
Systems Software	1.4	4.0
Educational Psychology	1.0	2.9
Engineering Education	1.0	2.9
Medical Libraries	1.0	2.9
Neurophysiology & Neuroscience	1.0	2.9
Security; Cryptography	1.0	2.9

Save All as CSV



Google

© 2008 The Regents of the University of California and SciTech Strategies. Map updated by SciTech Strategies, CST, and CDS in 2011.

Image may be subject to copyright. Terms of Use mapped 37.78% of 90 publications

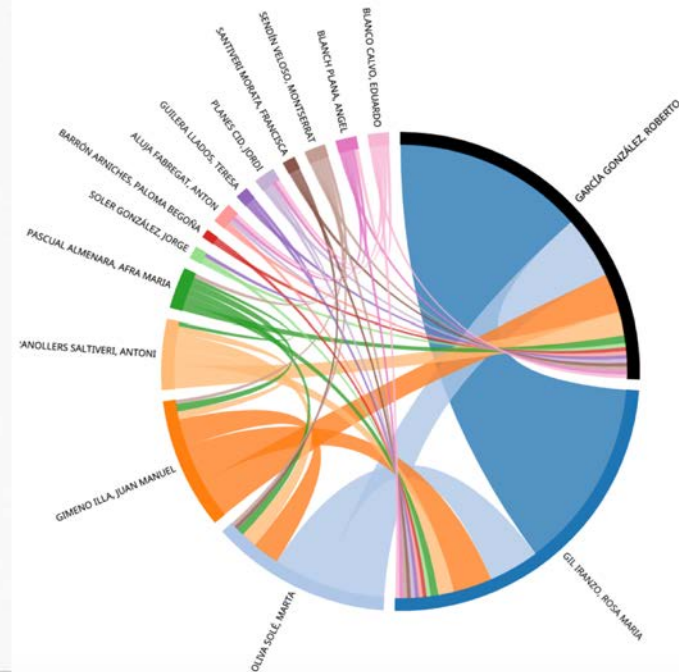
Save Unmapped Publications

## GARCÍA GONZÁLEZ, ROBERTO

### Co-author Network

(GraphML file)

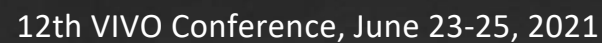
Co-investigator Network







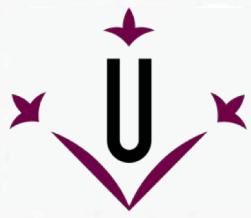
## Reset





- <https://rhizomer.rhizomik.net/datasets/VIVO%20UdL>

# Overview



# Results

Faceted View

[datasets](#) / [VIVO Udl](#) / [bibo:AcademicArticle](#) / [hasPublicationVenue: journal-0302-9743](#)

**Facets 13**

- ARG\_2000028** 7135
  - Individual
- authorList** 21227
  - string
- dateTimeValue** 21214
  - DateTimeValue
- doi** 6541
  - string
- hasPublicationVenue** 21223
  - Journal
    - Lecture Notes in Computer Science 133
    - Lecture Notes in Artificial Intelligence 133
  - Search all facet values

**Instances 133/20893**

**Abelló A, García R, Gil R, Oliva M, Perdrix F.: Semantic data integration in a newspaper content management system** [Document](#) [AcademicArticle](#)

**ARG\_2000028:** [UDL-AR010597-handle](#)

**authorList:** Abelló A, García R, Gil R, Oliva M, Perdrix F.

**dateTimeValue:** [UDL-AR010597-date](#)

**hasPublicationVenue:** [Lecture Notes in Computer Science](#)

**label:** Abelló A, García R, Gil R, Oliva M, Perdrix F.: Semantic data integration in a newspaper content management system

**pageEnd:** 41

**pageStart:** 40

**relatedBy:** [auth](#) [UDL-AR010597](#)

**title:** Semantic

**volume:** 4277

**Abelló A, O**  
**proposal (P**

Details

[datasets](#) / [VIVO Udl](#) / [core:PrincipalInvestigatorRole](#) / [resource](#)

**Novel processing methods for the production and distribution of high-quality and safe foods** [Grant](#) [Project](#)

**ARG\_2000028:** [UDL-PE000085-contact](#)

**dateTimeInterval:** [UDL-PE000085-interval](#)

**description:** Convocatòria 2004. VI Programa Marc (FP6). (2003-2006) 01/01/2004

**label:** Novel processing methods for the production and distribution of high-quality and safe foods

**localAwardId:** 000085

**mostSpecificType:** [Project](#), [Grant](#)

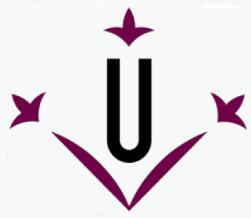
**relates:** [ir-UDL-00000847-UDL-PE000085](#), [pir-UDL-00000659-UDL-PE000085](#), [ir-UDL-00005066-UDL-PE000085](#)

**sponsorAwardId:** FP6-2004-FOOD-3-a015710-2

**Facets 1**

**is relatedBy of** 3

- [InvestigatorRole 2](#)
- [PrincipalInvestigatorRole 1](#)



# Future Work

- Multilingual version using VIVO 1.12
- Consolidate researchers “expertise areas” from keywords associated with researchers (ORCID, their papers,...)
- Photos?

Universitat de Lleida campus iberus

Index Log in

Home People Organizations Research Capability Map

Search

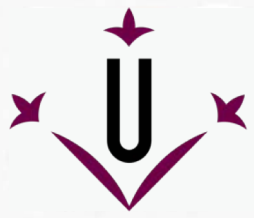
**GARCÍA GONZÁLEZ, ROBERTO** Faculty Member

**Positions**  
Member, Computer Science and Industrial Engineering  
More...

**Research Areas**

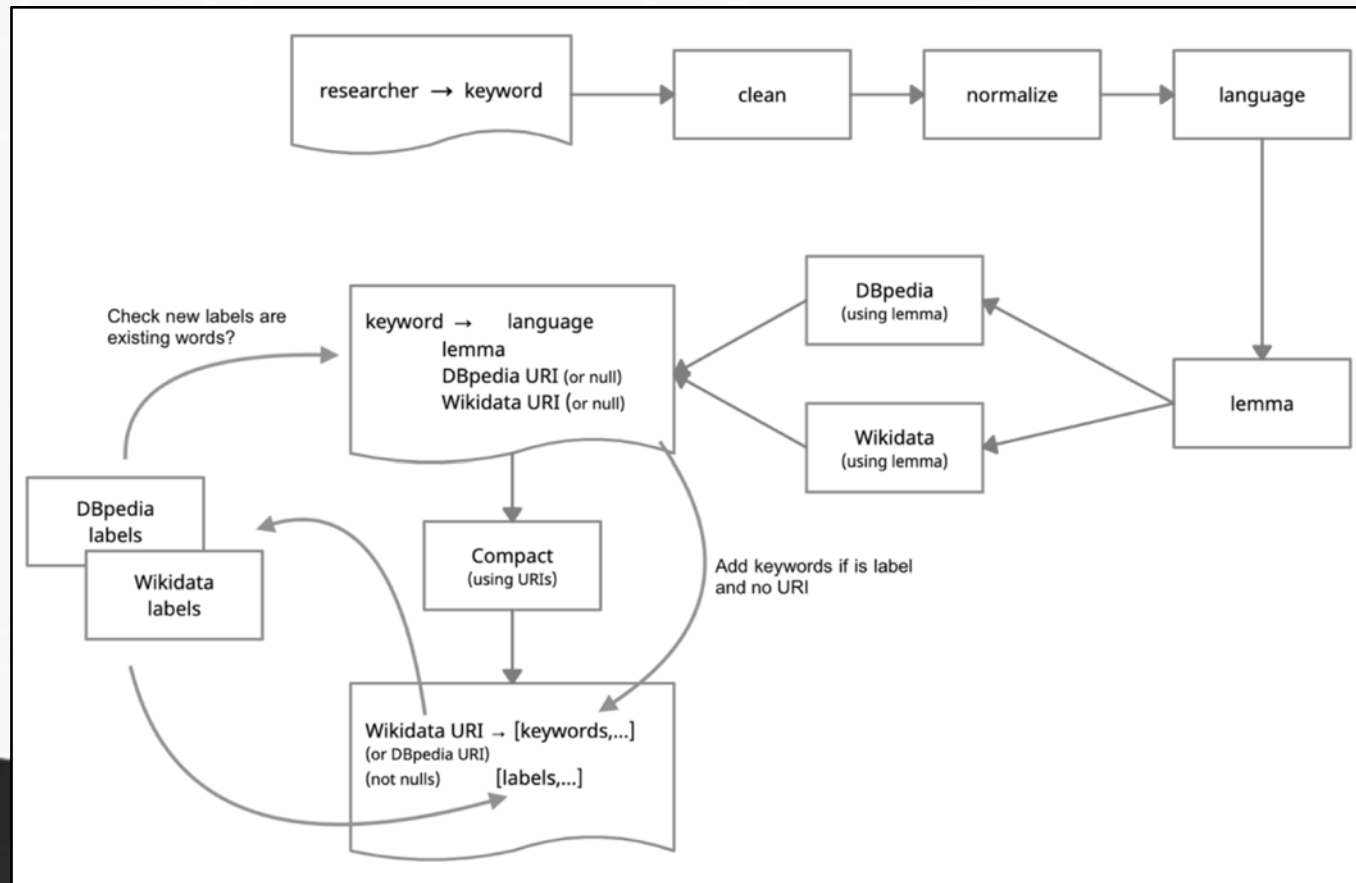
accessibility accessibility policies affective computing arquitectura de la información arquitectura de la información b2b  
best practices biomedical journals biometric information blockchain colaboración multidisciplinar collaborative learning  
computer-supported collaborative learning content value chain context cooperative learning copyright copyright law  
cscd data integration decentralized applications design of affective interaction systems digital rights management e-learning  
eeg emotions empathy evaluation exploration eye tracking gamificación human-computer interaction  
information architecture innovación docente integration interacción persona ordenador interaction interfaces de usuario  
knowledge awareness knowledge engineering knowledge representation knowledge sharing learning object linked data  
llenguatges i sistemes informàtics medical images moocs multimedia multimodality navegació news newspaper  
ontological engineering ontologies ontology ontology engineering patrones de interacción pruebas con usuarios  
publishing quality quality management system search semantic mediawiki semantic web semantic web applications  
semantic web ontologies semantic web-based information systems semantics smart contract social networks  
software development project test de estrés de navegación thinking aloud tla ulearning upper ontologies usability  
user experience user interface web 3.0 web semántica web semántica wiki xapi



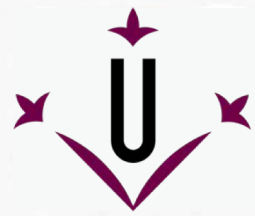


# Future Work

- Automate keywords consolidation
  - Match them to DBpedia and Wikidata concepts
  - Enrich them with translations to different languages

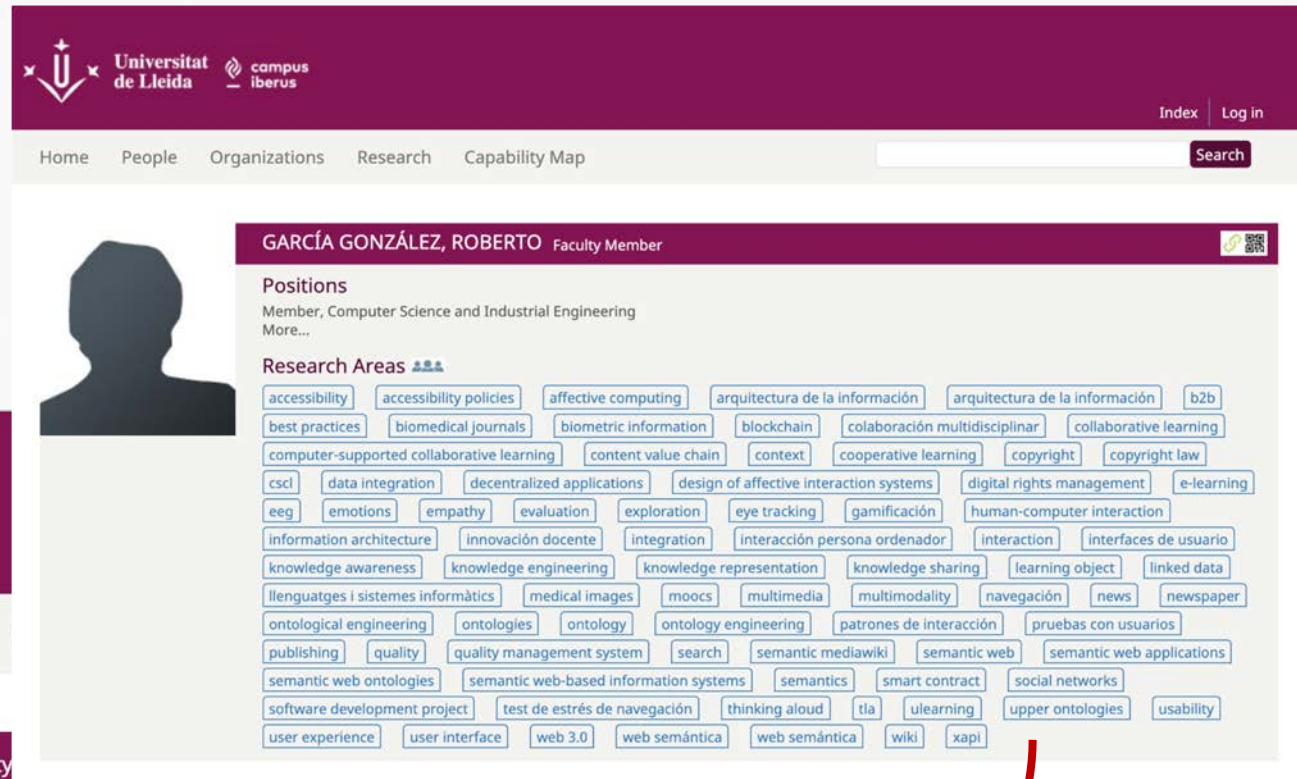
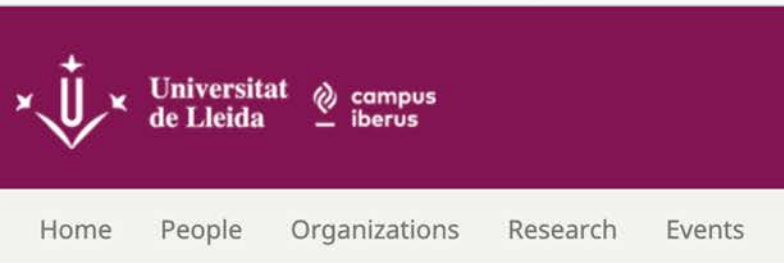


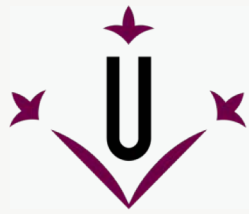




# Future Work

- Consolitation example:





Universitat  
de Lleida

The screenshot shows the 'UdL's Experts' website. The header is purple with the university logo and navigation links: Home, People, Organizations, Research, Capability Map, and a Search bar. The main banner features a laboratory image with the text 'UdL's Experts' and a subtitle: 'A discovery tool to find the Universitat de Lleida's experts that can help you succeed in your innovation projects'. Below the banner are three sections: 'Research' (listing 20,344 Academic Articles, 5,862 Books, 7,889 Chapters, and 1,513 Grants), 'Faculty' (listing Albertos Marco, Félix; Cruz Esteve, María Inés; Gil Tena, Asunción; and Serra Paya, Noemi), and 'Departments' (listing various departments like Química, Business Administration, etc.). The footer contains copyright information and links to About and Support.

Thanks for your attention  
Questions?

**Roberto García**  
Universitat de Lleida

**Olga Martín-Belloso**  
Universitat de Lleida

Contact: [roberto.garcia@udl.cat](mailto:roberto.garcia@udl.cat)